

# Program

## Jan. 8 (Thu.)

- 9:00 - 9:30 Registration  
9:30 - 9:40 Opening Address (R. Nakayama)  
9:40 - 10:25 M. Teper (University of Oxford)  
"From glueballs to large N: strong coupling physics from the lattice"  
10:25 - 10:35 Break  
10:35 - 11:20 Y. Watabiki (Tokyo Institute of Technology)  
"Causal Dynamical Triangulations and a Matrix Model"  
11:20 - 12:05 I. Kanamori (RIKEN)  
"Is lattice simulation of two-dimensional super Yang-Mills possible?"  
12:05 - 13:45 Lunch  
13:45 - 14:30 G. Schierholz (Deutsches Elektronen-Synchrotron)  
"Hadron structure from lattice QCD"  
14:30 - 14:50 Break  
14:50 - 15:35 Y. Kikukawa (University of Tokyo)  
"Glashow-Weinberg-Salam model on the lattice"  
15:35 - 16:20 A. Ohnishi (Yukawa Institute for Theoretical Physics)  
"Evolution of the QCD phase diagram in the Strong Coupling Expansion"  
16:20 - 18:00 Poster session  
18:30 - 21:00 Party

## Jan. 9 (Fri.)

- 9:30 - 10:15 V. A. Kazakov (Ecole Normale Supérieure)  
"Finite Volume Spectrum of 2D Quantum Field Theories from Hirota Dynamics"  
10:15 - 10:25 Break  
10:25 - 11:10 T. Tsukioka (Asia Pacific Center for the Theoretical Physics )  
"Generalized Gauge Theory: An Overview"  
11:10 - 11:55 F. Morikoshi (NTT Basic Research Laboratories)  
"Quantum Information and Nonlocality"  
11:55 - 13:35 Lunch  
13:35 - 14:20 K. Hashimoto (RIKEN)  
"Toward a Proof of Montonen-Olive Duality via Multiple M2-branes"  
14:20 - 15:05 J. Goryo (Nagoya University)  
"Chiral response in a p-wave superconductor"  
15:05 - 15:25 Break  
15:25 - 16:10 Y. Hosotani (Osaka University)  
"Aharonov-Bohm Effect and Gauge-Higgs Unification"  
16:10 - 16:55 N. Sasakura (Yukawa Institute for Theoretical Physics)  
"Emergent space, general relativity and gauge theory from tensor models"  
16:55 - 17:05 Break  
17:05 - Closing Talk (K. Ishikawa, N. Kawamoto)